

CHERNYSHEV, I.N., ZHUMATOV, KH.ZH.

"Virological investigation of an outbreak of psuedomembranes conjunctivitis
in children in Alma-Ata."

Report submitted for the 1st Intl. Congress on Respiratory Tract Diseases of
Virus and Rickettsial Origin. Prague, Czech. 23-27 May 1961.

CHERNYSHEV, I. N.; ZHUMATOV, Kh. Zh.; ORLOVA, S. K.

Virological investigations into the etiology of membranous conjunctivitis in infants. Acta virol. (Praha)[Eng]6 no.1:89-90 Ja '62.

1. Dept. of Virology and Rickettsioses, Kazakhstan Institute of Epidemiology, Microbiology and Hygiene, and Chair of Children's Infectious Diseases, Kazakhstan Medical Institute, Alma-Ata, U.S.S.R.

(ADENOVIRUSES)

CHERNYSHEV, I.N.

Technique of conducting the complement fixation reaction. Izv. delo
no.2:123-125 '65. (MIRA 18;2)

1. Otdel virusologii (zaveduyushchiy G.U. Akberdin) Kazakhskogo
instituta epidemiologii, mikrobiologii i gigieny (nauchnyy ruko-
voditel' prof. Kh.Zh. Zhumatov), Alma-Ata.

CHERNYSHOV, I.N.

25186 Chernyshov, I.N. Stseplyaemost' Avomobil'nykh Shin 6.00-16 c Dorogoi V
Ploskosti Kacheniya. Avtomob. Prom-St'. 1949, No. 8, c.5-9

SO: Letopis' No. 33, 1949

CHERNYSHEV, I.N.

Malakhovshiy, Ya. Ye.

"Methods of testing automobiles and their parts.", Ya. Ye. Malekhovskiy, Ir. B.
Ivanov, Reviewed by I.N. Chernyshev, Avt.trakt.prom., No. 6, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, OCTOBER 1952. UNCLASSIFIED.

CHERNYSHEV, I. N.

USSR/Physics - Electron Optics

21 Sep 53

"Electron-Optical Method of Reproduction of Object with Magnetic Heterogeneities," G. V. Spivak, N. G. Kanavina, I. N. Chernyshev and I. S. Sbitkova, Moscow State U

DAN SSSR, Vol 92, No 3, pp 541-543

Describe a method for observing objects which contain unhomogeneous magnetic fields that are located on the cathode of an emissive electron microscope. The observed unevenness of magnetization of the cathodic surface contributes to the formation and to the contrast of the electron image. Suggested method may also be applied for study of static and dynamic processes of magnetization. Presented by Acad P. A. Rebinder 21 Jul 53.

268T93

USSR/Physics - Dynamics

Card 1/1 : Pub. 12 - 5/12

Authors : Chernyshev, I. N., Cand. of Techn. Sc.

Title : Effect of torque on the dynamic rolling radius of an auto wheel

Periodical : Avt. trakt. prom. 4, 15-18, Apr 1954

Abstract : An explanation of the dynamic and rolling radii of an automobile tire, is presented. The dynamic and rolling radii vary in relation to the air pressure in the tire, vertical load acting against the tire, rolling speed of tire over the surface and the torque produced by the tire. The effect of torque on the change of these values is discussed. Tables; graphs; drawing.

Institution : The Bauman Higher Technical Institute, Moscow

Submitted :

CHERNYSHEV, I.N.

Testing pneumatic tires for rolling wear resistance. Kauch. i
rez. 23 no.4:27-32 Ap'64 (MIRA 17:7)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

GRIGOR'YEV, V.A., kand. tekhn. nauk; CHERNYSHEV, I.N., kand. tekhn. nauk;
BRUYEV, E.V.

Control of thermal conditions in rubber tires. Avt. prom. 31
no.2:17-19 F '65. (MIRA 18:3)

1. Moskovskiy energeticheskiy institut i Nauchno-issledovatel'skiy
institut shinnoy promyshlennosti.

CHERNYSHEV, I.N.

Rolling losses of arch type 1140-700 and 6,00-20 tires
during work on soft and hard soils. Kauch. i rez. 24
no.12:37-39 '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

CHERNYSHEV, I.P.
CHERNYSHEV, I.P., dispatcher-tekhnolog

Accounting in ship repair enterprise plants. Rech. transp. 17
no.2:28 P '58. (MIRA 11:2)

1. Bobrovskiy sudoremontnyy zavod Obakogo parokhodstva.
(Ships--Maintenance and repair)
(Shipyards--Accounting)

S/133/61/000/002/002/014
A054/A033

AUTHORS: Skoblo, S.Ya., Candidate of Technical Sciences, Strakhov, V.G.,
Candidate of Technical Sciences, Kiryushkin, Yu.I., Candidate of
Technical Sciences, Chernyshev, I.S., Engineer, Oleshkevich, T.I.,
Engineer

TITLE: Heat Insulation of the Dozzle Metal of 8-15 Ton Slabs

PERIODICAL: Stal', 1961, No. 2, pp. 119-123

TEXT: The metal losses in the riser can only be reduced by improving the
thermal conditions of the dozzle. This is possible by improving the heat
insulation and the thermal activity of lunerites used. When studying this
problem at the zavod im. Il'icha (Plant im. Il'ich) the following kinds of
lunerites were used: (in %) ✓

	45%-ferrosilicium	Coke Breeze	Chamotte	Bauxite
Л1 (L1)	-	45	55	-
Л2 (L2)	30	25	30	15

Card 1/10

S/133/61/000/002/002/014
A054/A033



Heat Insulation of the Dozzle Metal of 8-15 Ton Slabs

The CT.3cn (St.3 sp) type slabs investigated for this purpose were cast according to the conventional technology, by scattering 1.8-2.0 kg/ton lunkerite on the surface. Two types of ingot molds were used: conventional (ЛП 8-11, ЛП 11-15 - LP8-11, LP11-15) and semi-hammered type (ЛП 8-11п, ЛП 11-15п - LP8-11p, LP11-15p) for 8-15 ton ingots, with changeable bottom. Steel was poured through an intermittent device with two spouts, 28 mm in diameter, at a distance of 700 mm from each other. The dozzles were lined with chamotte bricks. On account of the considerable thickness of the lining (115-155 mm) the risers were filled with 20-19% of the slab metal. Since the heat losses depend on the surface and the temperature of the various layers of the dozzle wall, their temperature was registered by means of several chromel-alumel thermocouples (Fig.2) and with ЭПП-09 (EPP-09) electronic potentiometers. In the thermal calculations the formula for flat walls was used assuming a linear heat distribution in the thickness of every lining layer. The amount of heat accumulating on 1 m² of a homogenous layer of the lining was determined by

Card 2/10

S/133/61/000/002/002/014
A054/A033

Heat Insulation of the Dozzle Metal, of 8-15 Ton Slabs

$$Q_1 = \sum q_i \quad (1)$$

and

$$q_i = \delta_i \gamma_i c_i (t_{i \text{ aver}} - t_{i \text{ init}}) \quad (2)$$

[Abstracter's note: Subscript aver is the translation of the Russian subscript ср = средний (srednyy) and subscript init is the translation of нач = начальный (nachal'nyy)]. In formula (1): Q_1 = amount of heat accumulated on 1 m² of the dozzle wall, in cal/m²; q_i = idem, for 1 m² of a homogeneous layer of the wall, δ_i , γ_i , c_i = width (m), volumetric weight (kg/cu m) and heat capacity (cal/kg °C) of the homogeneous layer; $t_{i \text{ init}}$ and $t_{i \text{ aver}}$ = the corresponding initial and average temperature of the layer, in °C. The heat losses caused by radiation and convection on 1 m² of the external dozzle surface were calculated from the expression:

$$Q_2 = \alpha (t_{s \text{ aver}} - t) \quad (3)$$

were Q_2 = amount of heat released by 1 m² of the external dozzle surface during τ time, in cal/m²; α = the coefficient of heat loss of this surface, in cal/m² h °C; [Abstracter's note: Subscript s.aver (surface average is the Card 3/10

S/133/61/000/002/002/014
A054/A033

Heat Insulation of the Dozzle Metal of 8-15 Ton Slabs

translation of the Russian τ .ч - поверхность сегмента (poverkhnost'). τ = time for which Q_2 is determined, in hours. It was established that maximum heat losses arose when the dozzle was insulated in the conventional manner, with a high heat capacity. However, these losses are not considerable, about 13-20% of the total losses. The effect of the improved heat conditions of the dozzle on the duration of metal solidification was also studied (by sounding and extrapolating the results for the entire height of the ingot). It was found that the crystallization depends not so much on the weight of the ingot, but rather on the type of mold used. To make a definite assessment of the effect of heat conditions of the dozzle, 237 ingots (8-15 t) were cast from St.3 steel, with a smaller riser (16% of the nominal ingot weight). It was found that this decrease of the riser did not result in an increase of slabs showing laminations at the top. This can be explained by the satisfactory localization of shrinkage holes in this part of the ingot. The service life of the chamotte layer could be increased about 3 times, by straightening out the curves of its side surfaces. Further improvement in

Card 4/10

S/133/61/000/002/002/014
A054/A033

Heat Insulation of the Dozzle Metal of 8-15 Ton Slabs

this respect can still be obtained by structural changes of the dozzle. Thus, by applying a double-layer lining (115 mm thick foam chamotte and 40 mm thick chamotte brick layer), about 2.5-4% of the metal can be saved by the localization of the shrinkage holes in the risers. The saving amounted to 10.8 rubles/ton for bridge steel, 11.1 rubles/ton for carbon steel and 12.3 rubles/ton for boiler steel. (1960 currency). There are 6 figures and 2 tables. ✓

ASSOCIATION: Zhdanovskiy metallurgicheskii institut (Zhdanovsk Metallurgical Institute) and zavod im. Il'icha (Plant im. Il'ich)

Card 5/10

RABKIN, M.A.; KISSEL', N.N.; KOSOGOV, G.F.; CHERNYSHEV, I.S.

Effect of technological factors on the desulfuration of cast iron by the reduction of certain active metals. Izv. vys. ucheb. zav.; chern. met. 4 no.7:36-43 '61. (MIRA 14:8)

1. Zhdanovskiy metallurgicheskiy institut i Metallurgicheskiy zavod im. Il'icha.

(Cast iron--Metallurgy)
(Desulfuration)

S/133/62/000/004/002/008
A054/A127

AUTHORS: Kuzema, I.D.; Yefimov, V.A.; Chernyshev, I.S.; Grebenyuk, V.P.;
Oleshkevich, T.I.;

TITLE: Selecting the parameters of large-sized slabs

PERIODICAL: Stal', no. 4, 1962, 312 - 313

TEXT: The geometry of slabs is characterized by the width-to-thickness ratio (k) and the length-to-width ratio (k_1). A k -ratio above 2 causes cracks in the slabs and renders their finishing more difficult. When forming slabs with a $k = 1.72$ ratio these drawbacks are eliminated, but the slabs will be far too thick, while, moreover other difficulties arise: more passes are required in rolling, more metal is lost in cutting off the edges, etc. Tests to cast large-sized slabs with a k -ratio above 2 without cracks were carried out by imparting a wavy shape to the side-wall surfaces, while the effect of the mold shape on the solidifying skin was also studied. In slabs with a high k (width-to-thickness) ratio deep longitudinal cracks are mainly caused by stresses developing in the skin prior to its separation from the mold-wall. The skin is also subjected to bending moments. The higher the k -value, the greater the stresses working in

Card 1/2

Selecting the parameters....

S/133/62/000/004/002/008
A054/A127

the skin. The bending moments, however, could be reduced considerably by giving the broad side of the slab a wavy shape. In that case the shrinkage of the skin takes place progressively, starting from the angles to the centre. If several waves are formed on the broad side of a slab with a high k-value the gap formation is slowed down and the thin skin plays the part of a reinforcing continuous beam. Slabs, 5 - 7 tons in weight were tested, with width-to-thickness ratios of 2.3, 2.31 and 2.2. The best results were obtained with slabs on whose sides the curvature radius of the wave crest was not more than 5 mm. In another test series 11 - 15-ton slabs were tested with 5 - 5 waves on their broad sides and satisfactory crackfree surfaces were obtained in 70% of the output. By improving the geometry of the waves still further and increasing their depth to 24 mm the crack formation could be eliminated completely. When applying waves of the required length and depth and sufficiently acute angles, it is possible to cast large-sized ingots with a width-to-thickness ratio of more than 2.2. There are 5 figures.

ASSOCIATION: Zavod im. Il'icha (Plant im. Il'ich) and Institut gaza AN UkrSSR
(Institute of Gas(es) of the Academy of Sciences UkrSSR)

Card 2/2

STRAKHOV, V.G., kand.tekhn.nauk; SKOBLO, S.Ya., kand.tekhn.nauk; KISSELOV, N.N.;
CHERNYSHEV, I.S.; GLESHKEVICH, T.I.; MOLOTKOV, V.A.; SAFELKIN, N.F.

Effect of the pouring method on the quality of rimmed steel, smelted
in high-capacity open-hearth furnaces. Met.i gornorud. prom. no.6:23-
25 N-D '63. (MIRA 1881)

KAZANTSEV, I.G.; KUZNETSOV, A.F.; PRESNYAKOV, V.M.; MOLONOV, G.D.;
KUZEMA, I.D.; CHERNYSHEV, I.S.; OLESHKEVICH, T.I.; KISSEL', N.N.;
ANTOKHIN, N.T.; ROYANOV, V.V.

Manufacture of very thick plate from capped steel. Izv. vys. ucheb.
zav.; chern. met. 6 no.6:49-50 '63. (MIRA 16:8)

1. Zhdanovskiy metallurgicheskiy institut i zavod im. Il'icha.
(Steel ingots) (Rolling (Metalwork)--Quality control)

RABKIN, M.A.; CHERNYSHEV, I.S.; KISSEL', N.N.; KOSOGOV, G.F.

Desulfuration of cast iron outside blast furnaces by the re-
duction of magnesium oxide by aluminum. Izv. vys. ucheb. zav.;
chern. met. 6 no.9:28-32 '63. (MIRA 16:11)

1. Zhdanovskiy metallurgicheskiy institut i Zhdanovskiy metal-
lurgicheskiy zavod im. Il'icha.

STRAKHOV, V.G., kand. tekhn. nauk; SKOBLO, S.Ya., kand. tekhn. nauk;
SAPEL'KIN, N.F., inzh.; CHERNYSHEV, I.S., inzh.; OLESHKEVICH,
T.I., inzh.; ANTOKHIN, N.T., inzh.; PASHCHENKO, N.K., inzh.

Heating the riser heads of an ingot by exothermic plates.
Stal' 24 no.1:37-39 Ja '64. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut i zavod imeni
Il'icha.

YEFIMOV, V.A., doktor tekhn. nauk; KUZEMA, I.D., kand. tekhn. nauk;
ZHIGULA, A.V., inzh.; SAPKO, V.N., inzh.; KISSEL', N.N.,
inzh.; CHERNYSHEV, I.S., inzh.; ZARUBIN, N.G., inzh.;
STRYAPIN, I.Ya., inzh.; OLESHKEVICH, T.I., inzh.; SONIN, G.V.,
inzh.; PUKALOV, V.P., inzh.

Rapid top pouring of rimmed steel from ladles with a
capacity from 350 to 480 tons. Stal' 24 no.1:30-32 Ja '64.
(MIRA 17:2)

3(8)

SOV/7-59-2-4/14

AUTHORS: Zhirov, K. K., Chernyshev, I. V.

TITLE: On the Geochemistry of Lead in Devonian Effusive Rocks of Central Kazakhstan (K geokhimii svintsa v devonskikh effuzivakh Tsentral'nogo Kazakhstana)

PERIODICAL: Geokhimiya, 1959, Nr 2, pp 116-123 (USSR)

ABSTRACT: 79 samples from the Terekty, Kuzhal, Munглу districts and the region along the river Kara-Say were investigated. The quartz spectrograph ISP-28 was used for the analyses. The methods employed (Ref 7) were originally developed for zircons and were adapted to be used for lead in this case. Several chemical analyses were carried out for checking purposes by the authors and L. I. Pavlenko, Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy AS USSR) (Table 1). The average lead content of Devonian effusives in the regions investigated is $1.2 \cdot 10^{-3}\%$ and thus below the Clark degrees for the relevant types of rock (Tables 3 and 4). No enrichment due to more acid rocks was found; the lead content in the Terekty district is somewhat higher. A few samples of tuffs of liparite composition

Card 1/2

SOV/7-59-2-4/14

On the Geochemistry of Lead in Devonian Effusive Rocks of Central Kazakhstan

(Fig 1) have a higher lead content than the respective lava (Fig 2). This enrichment is assumed to be secondary. L. I. Blokhina, M. A. Petrova, N. I. Stupnikova, and L. A. Borisenok participated in the investigations. There are 3 figures, 4 tables, and 13 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: June 26, 1958

Card 2/2

CHERNYSHEV, I.V.

Analysis of errors in the lead method of absolute age determination
[with summary in English]. Geokhimiia no.1:73-81 '62. (MIRA 15:2)

1. All-Union Scientific Research Institute of Mineral Raw Material.
(Geological time)

CHERNYSHEV, I.V.

Nomograms for computing errors in determining the absolute age
by the lead method. Geokhimiia no.3:271-279 '62. (MIRA 15:4)

1. All-Union Scientific Research Institute of Mineral Raw
Material, Moscow. ~~Geokhimiia~~
(Geological time) (Lead-isotopes)

KUTUKOV, A.V.; CHERNYSHEV, I.V.

Jivet-Lower Frasnian sediments in the platform area of Perm
Province. Trudy VNIGNI no136:48-59 '63. (MIRA 17:9)

L 05671-67 EWP(1)/EWT(d) IJP(c) GG/BB

ACC NR: AR6023253

SOURCE CODE: UR/0044/66/000/003/V077/V077

AUTHOR: Bukhgal'ts, N. V.; D'yachenko, V. F.; Lazarev, V. G.; Chernyshev, K. K.; Sharov, V. A.

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 18. Novosibirsk, 1965, 119-137

TITLE: On the problem of economy of a computer operating memory 16C

SOURCE: Ref. zh. Matematika, Abs. 3V371

TOPIC TAGS: computer memory, computer programming, computer storage device

TRANSLATION: An application for computer storage of programs and constants used for the automatic control of a constant memory makes it possible to decrease the volume of the operating memory. The problem is solved without introducing changes in the program to find an image of the set of program variables in its field of operation such that the number of operating cells is a minimum. To construct this image, a space-time diagram is made up of traces of variables and their projections, making it possible to combine the addresses of different variables. Theorems are proved on the minimum number of addresses of variables in the program. A block diagram for the program of minimizing the number of memory cells is given. Offered as an example is a program for the computation of square roots requiring five operating cells. A programmer of average

UDC: 681.142.001:51

Cord 1/2

L 05671-67

ACC NR: AR6023253

skill used 8 cells. The method set forth here is applicable to ready-made programs, in systems of automatic programming, and in the design of specialized computers. 6 figures, 10 references. Yu. M.

SUB CODE: 09/ SUBM DATE: none

M
Card 2/2

ACC NR: AR6021233

SOURCE CODE: UR/0271/66/000/003/B007/B007

AUTHOR: Bukhgol'ts, N. V.; D'yachenko, V. F.; Lazarev, V. G.; Chernyshev, K. K.; Sharov, V. A.

TITLE: The economy of digital computer memory 16V

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 3B64

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 18, Novosibirsk, 1965, 119-137

TOPIC TAGS: computer memory, computer program logic, computer design, digital computer

ABSTRACT: The use of read-only memory units for program and constants storing in automatic control computers makes it possible to reduce the volume of immediate-access storage units. Without introducing changes in the existing programs, the problem of mapping a set of program variables on its operating field is solved in order to obtain a minimum number of working cells. The method is applicable to automatic programming systems, to complete programs, and to special-purpose computer design. [Translation of abstract] 6 illustrations and bibliography of 10 titles. Yu. M.

SUB CODE: 09

Card 1/1

UDC: 681.142.2

SOV/137-57-1-1042

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 135 (USSR)

AUTHOR: Chernyshev, K. Kh.

TITLE: Sulfidization of Steel Components and Tools (Sul'fidirovaniye stal'nykh izdeliy i instrumenta)

PERIODICAL: V sb.: Novyye metody term. obrabotki, v rasplavlennykh solyakh i shchelochakh. Gor'kiy, Knigoizdat, 1955, pp 239-247

ABSTRACT: The following compositions of potassium thiocyanate baths were developed: 1) For sulfidization at 200°C: 70% Na₂S₂O₃, and 30% KCNS (melting point 182°C); 2) at 450° the bath consisted of 51% KCl and 49% ZnSO₄ (fusing agent) with an addition of 5% Na₂S₂O₃ and 2% KCNS. In the case of sulfidization at 600°, bath (2) is augmented with agents which tend to retard the decomposition of the KCNS: Sodium sulfite and NaCl in quantities equivalent to 3% of the weight of the KCNS. A chemical analysis of the surface layer of steel 45, which had been subjected to sulfidization at a temperature of 450° for a period of three hours, revealed 0.192% S and 0.28% N; sulfidization at 200° results in an S and N content of 0.159% and 0.04%.

Card 1/2

SOV /137-57-1-1042

Sulfidization of Steel Components and Tools

respectively (an X-ray spectrum analysis revealed the presence of 1.8-2.0% S).
A. S.

Card 2/2

S/081/62/000/013/003/054
B158/B144

AUTHORS: Belyayev, L. M., Koshuashvili, M. V., Chernyshev, K. S.,
Gorshteyn, G. I., Nechayeva, V. S.

TITLE: Growing crystals of lead fluoride and chloride

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1962, 44, abstract
13B252 (Sb. "Rost kristallov. v. 3". M., AN SSSR, 1961,
338 - 341)

TEXT: Crystals of PbF_2 with a diameter of several cm are obtained in an N_2 atmosphere using Stockbarger's method. Special measures are taken for complete removal of moisture from the apparatus and reagents. In the crystallization process, Ar was passed through the furnace at a pressure of 0.1 atm. Best results were obtained when the crucible was lowered at a speed of 6 mm/hr. From various crucibles tested the best were found to be of graphite. Single crystals of $PbCl_2$ were obtained by Obreimov and Shubnikov's method. The crystals are grown in sealed glass ampoules, which

Card 1/2

S/081/62/000/013/003/054
B158/B144

Growing crystals of lead ...

are lowered into a ceramic tube with a nickel-chrome heating jacket. The best results are obtained when the crucible is lowered at a speed of 0.5 mm/hr and is rotated at 2 r.p.m. Methods for preparing and purifying the starting materials are described. Curves of optical density of PbCl_2 and PbF_2 are obtained which agree with published data. [Abstracter's note: Complete translation.]

Card 2/2

BELYAYEV, L.M.; DOBRZHANSKIY, G.F.; PISAREVSKIY, Yu.V.; CHERNYSHEV, K.S.;
SHALDIN, Yu.V.

Electro-optical properties of copper chloride and copper bromide
crystals. Fiz. tver. tela 6 no.12:3727-3728 D '64 (MIRA 18:2)

1. Institut kristallografii AN SSSR, Moskva.

DOBZHANSKIY, G.F.; BELYAYEV, L.M.; PEPETROV, I.P.; RYBKIN, Yu.F.; FEDOSOV,
A.Ye.; CHERNYSHEV, K.S.

Transmission spectra of single crystals of copper bromide and
chloride. Kristallografiia 9 no.6:928-929 N-D '64.

(MIRA 18:2)

1. Institut kristallografi AN SSSR.

CHERNYSHEV, K. V.

CHERNYSHEV, K. V.: "Investigation of static and dynamic deformations of a model of a single cell of a hydroacoustic sound absorber." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Physics Faculty. Moscow, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN PHYSICOMATHEMATICAL SCIENCES).

Knizhnaya letopis'
No. 35, 1956. Moscow.

CHEYNYSHEV, K.V.

Investigating the oscillations of a single cell of the hydro-acoustical sound absorber. Vest.Mosk.un.Ser.mat., mekh., astron., fiz., khim. 12 no.3:103-110 '57. (MIRA 11:3)

1.Kafedra akustiki Moskovskogo gosudarstvennogo universiteta.
(Sound waves)

AUTHOR: Chernyshev, K.V. SOV/55-58-1-32/33

TITLE: On the Calculation of Statical Deformations of a Separate Cell of the Hydroacoustic Sound Absorber (O raschete staticheskikh deformatsiy odinochnoy yacheyki gidroakusticheskogo zvukopoglotitelya)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya fiziko-matematicheskikh i yestestvennykh nauk, 1958, Nr 1, pp 233-235 (USSR)

ABSTRACT: The author considers a sound absorber of a rubber plate of thickness 4 mm with cylindric deepenings of different diameters (2 mm and 5 mm). If a sound wave falls on the surface of the absorber, then there appear essential shearing deformations; because of the great shearing tenacity of the rubber this leads to a strong sound absorption. For clarifying the process of absorption, an investigation of the dynamic and static deformations of a characteristic range (separate cell) of the absorber surface is necessary. According to the method of Ritz, the author investigates the static deformations. He uses the usual equations of the theory of elasticity and develops the solution with respect to certain combinations of spherical functions and their derivatives. This choice is very suitable because already the first approximation

Card 1/2

On the Calculation of Statical Deformations of a Separate SOV/55-58-1-32/33
Cell of the Hydroacoustic Sound Absorber

yields values only little different from the values measured
experimentally. The author thanks Professor S.N.Rzhevkin for the
leading of the present paper.
There are 3 Soviet references.

ASSOCIATION: Kafedra akustiki (Chair of Acoustics)

SUBMITTED: December 10, 1957

Card 2/2

L 16354-65 EWT(m)/EWP(t)/EWP(b) IUP(a)/ESP(M)/SSD/ALAL/RAEM(a)
JD

ACCESSION NR: APOC00681

AUTHORS: Belyayev, L. M.; Dobrynin, S. P.; Piskarev, V. M.;
Cherny*shin, K. S.; Shaldin, Yu.

TITLE: Electro-optical properties of
bronze crystals

SOURCE: Fizika tverdogo tela, vol. 10, no. 4, 1964, pp. 1111-1114

TOPIC TAGS: electrooptical properties; refractive index

ABSTRACT: The authors measured the electro-optical properties of
copper chloride and copper bromide crystals. The samples were
and annealed. The experimental results show a decrease in the
closure. The samples were oriented by the method of
etch figures, with final orientation of the crystallographic
effect. The electrodes on the samples were sputtered in vacuum. The

Card 1/3

L 16354-65

ACCESSION NR: AP5000686

3
values obtained for the product of the value of the refractive index
and the electro-optical coefficient: 29 and 34
675 nm respectively 29 and 34
The values are calculated for the

and

ASSOCIATION: Institut kristallografii (USSR, Moscow, Institute
of Crystallography AN SSSR)

SUBMITTED: 10Jul64

SUB CODE: OP, SS

NR REF SER: 100

OTHER: 101

Card 2/3

L 16354-65

ACCESSION NR: AP5000686

ENCLOSURE: 01

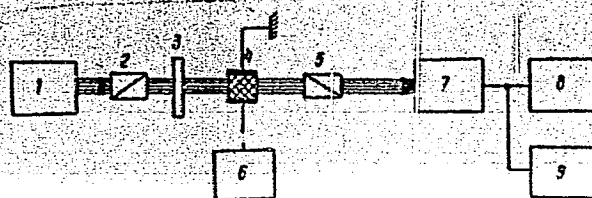


Fig. 1. Block diagram of setup for the measurement of the electro-optical effect.

- 1 - monochromator, 2 - polarizer, 3 - quarter-wave plate,
 4 - crystal sample, 5 - analyzer, 6 - high voltage source,
 7 - photodetector, 8 - milliammeter, 9 - universal indicator.

Card 3/3

CHERNYSHEV, K. S.

I 16577-65 EWT(m)/EWP(t)/EWP(b) RAEM(c)/ESD(t)/ESD(gs)/AFWL/ASD(a)-5/
AS(mp)-2/AFMD(t)/IJP(c) JD

ACCESSION NR: AP5000297

S/0070/64/009/006/0928/0929

AUTHORS: Dobrzhanskiy, G. F.; Belyayev, L. M.; Petrov, I. P.;
Ry*bkin, Yu. F.; Fedosov, A. Ye.; Cherny*shev, K. S.

TITLE: Transmission spectra of copper chloride and bromide single
crystals 27 27 27

SOURCE: Kristallografiya, v. 9, no. 6, 1964, 928-929

TOPIC TAGS: copper compound, single crystal, ir spectrum, optical
transmission, crystal growth

ABSTRACT: The transmission spectra of single crystals of copper
chloride and bromide were measured in the infrared region of the
spectrum. The crystal growth procedure was described by some of
the authors elsewhere (Collection: Rost kristallov [Crystal Growth]
v. 3, 342, 1961). Particular attention was paid to the purity of
the initial reagent and thorough cleaning of the produced crystal.

Card 1/3

L 16577-65
ACCESSION NR: AP5000297

The samples were made in the form of plane-parallel plates ~3 mm thick. An infrared DS-301 spectrometer was used with presence of sodium chloride (up to 15 μ) and potassium bromide (up to 25 μ). A Hilger H-800 spectrometer was used above 25 μ (cesium iodide prism). The measurements show that the single crystals have good transmission on the order of 80% without selective absorption bands, up to ~18 μ for the chloride and 24 μ for the bromide, with a long-wave transmission limit at 22 and 32 μ respectively; they are therefore of interest for infrared technology and spectroscopy. "The authors thank Ye. I. Kortukova and L. D. Kislovskiy for help with the optical measurements, and Ye. P. Meshcheryakova for the x-ray analysis." Orig. art. has: 2 figures.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography AN SSSR)

SUBMITTED: 09Jun64

Card 2/3

ENCL: 00

L 16577-65
ACCESSION NR: AP5000297

SUB CODE: OP, SS

NR REF SOV: 001

OTHER: 000

Card . 3/3

L 19646-65 EPF(c)/EPF(x)-2/EPF/EPF(t)/EPF(t)/EPF(t) EPF(t)/EPF(t)/EPF(t) EPF(c)/
 ACCESSION NR: AP4044812 ASD(a)-5 JD/JG S/0078/64/009/009/2174/2178

AUTHORS: Yerman, L.Ya.; Gal'perin, Ye.L.; Kolchin, I.K.; Dobrzanskiy,
 G.F.; Cherny'shev, K.S.

TITLE: The Bi_2O_3 - MoO_3 system

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 9, 1964, 2174-2178

TOPIC TAGS: Bi_2O_3 , MoO_3 system, x ray analysis, Bi_2O_3 , MoO_3 , $\text{Bi}_2\text{O}_3 \cdot 2\text{MoO}_3$, $\text{Bi}_2\text{O}_3 \cdot 3\text{MoO}_3$, $\text{Bi}_2\text{O}_3 \cdot 4\text{MoO}_3$, synthesis, crystal structure, koech-
 linite

ABSTRACT: The portion of the Bi_2O_3 - MoO_3 system containing from 0-70% Bi was subjected to x-ray analysis. Samples were prepared by fusion at 750-950C of the required amounts of Bi and Mo oxides, or by fusion of bismuth nitrate and ammonium molybdate, or by coprecipitation of solutions of $\text{Bi}(\text{NO}_3)_3$ and $(\text{NH}_4)_2\text{MoO}_4$. The compounds $\text{Bi}_2\text{O}_3 \cdot 4\text{MoO}_3$ indicated by E.H. Muller and F. Van Dyke Gruser (J. Amer. Chem. Soc., 27, 116 (1905)) was not found; it was believed to be a eutectic of $\text{Bi}_2(\text{MoO}_4)_3$ with MoO_3 . Three compounds were found: $\text{Bi}_2\text{O}_3 \cdot \text{MoO}_3$, $\text{Bi}_2\text{O}_3 \cdot 2\text{MoO}_3$ (tetragonal lattice, $a = 11.80\text{\AA}$; $c = 5.40\text{\AA}$), and $\text{Bi}_2\text{O}_3 \cdot 3\text{MoO}_3$.

Card 1/2

L 1964 55

ACCESSION NR: AP4044812

3MoO_3 (monoclinic lattice, $a = 7.85\text{\AA}$, $b = 11.70\text{\AA}$, $c = 12.25\text{\AA}$, $\beta = 116^\circ 20'$). The molybdenum oxide did not form solid solutions at room temperature in the investigated portion of the $\text{Bi}_2\text{O}_3\text{-MoO}_3$ system. Orig. art. has: 4 tables.

ASSOCIATION: None

SUBMITTED: 06Jun63

SUB CODE: GC, IC

NR REF SIV: 103

ENCL: 00

OTHER: 015

Card 2/2

ACC NR: AP6021941

(A)

SOURCE CODE: UR/0188/66/000/002/0035/0038

AUTHOR: Chernyshev, K. V.

ORG: None

TITLE: On the experimental determination of the parameters of linear electroacoustic transducers

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 2, 1966, 35-38

TOPIC TAGS: electroacoustic transducer, electroacoustic transducer parameter, measurement method, electroacoustic measurement, experimental parameter measurement

ABSTRACT: The author presents a method for the determination of certain electroacoustic parameters of linear radiators, which permits all necessary electroacoustic measurements to be made only on the electrical side. While such methods are known, the proposed method has the new feature of remaining valid for linear transducers in the radiating regime. The method can be also used for the determination of the parameters of transducers-receivers; however, it is limited in this case to reversible transducers.. The basis of the method is a set of electrical measurements with different loadings on the mechanical side. The resulting system of algebraic equations is solved for the determination of the parameters. Orig. art. has 5 figures.

SUB CODE: 09, 14 /

SUBM DATE: 01Sep64/

ORIG REF: 002/

OTH REF: 003

Card 1/1

UDC: 534.232.4.01

LEVINSON, B.; CHERNYSHEV, L.

New trends in organizing the maintenance and repair of storage
batteries. Avt.transp. 38 no.11:23 N '60. (MIRA 13:11)

1. Ukrainskiy dorozhno-transportnyy nauchno-issledovate'skiy
institut.

(Motor vehicles--Batteries)

CHERNYSHEV, L., zasluzhennyi vrach RSFSR

Thoughts on public health. Okhr. truda i sots. strakh. 6
no.11:5-6 N '63. (MIRA 16:11)

1. Glavnyi vrach Pervoy gorodskoy klinicheskoy bol'nitsy.

TKACHUK, V.G., doktor geologo-mineralog. nauk; TOLSTIKHIN, N.I., prof.; PINNEKER, Ye.V., kand. geologo-mineralog. nauk, mladshiy nauchnyy sotr.; YASNITSKAYA, N.V., mladshiy nauchnyy sotr., khimik; KRUTIKOVA, A.I., mladshiy nauchnyy sotr., khimik; SHOTSKIY, V.P., kand. geogr. nauk; ORLOVA, L.M., starshiy gidrogeolog; STEPANOV, V.M., kand. geologo-mineralog. nauk; VLASOV, N.A., kand. khim. nauk; PROKOP'YEV, B.V., kand. khim. nauk; CHERNYSHEV, L.A., starshiy prepodavatel'; PAVLOVA, L.I., starshiy prepodavatel'; Prinsipali uchastiye: IVANOV, V.V., kand. geologo-mineralog. nauk; YAROTSKIY, L.A., kand. geologo-mineralog. nauk; KARASEVA, A.P., nauchnyy sotr.; ARUTYUNYANTS, R.R., nauchnyy sotr.; ROMANOVA, E.M., nauchnyy sotr.; TROFIMUK, P.I., starshiy gidrogeolog; LADEYSHCHIKOV, P.I., starshiy nauchnyy sotr., kand. geogr. nauk; LYSAK, S.V., starshiy laborant; KRUCHININA, L.Yu., laborant; SEMENOVA, Ye.A., red. izd-va; BOCHEVER, V.T., tekhn. red.

[Mineral waters of the southern part of Eastern Siberia] Mineral'nye vody iuzhnoi chasti Vostochnoi Sibiri. Moskva. Vol.1. [Hydrogeology of mineral waters and their significance for the national economy] Gidrogeologiya mineral'nykh vod i ikh narodnokhoziaistvennoe znachenie. Pod obshchei red. V.G.Tkachuk i N.I.Tolstikhina. 1961. 346 p. (MIRA 14:8)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Vostochno-sibirskiy geologicheskii institut. (Continued on next card)

TKACHUK, V.G.---- (continued) Card 2.

2. Vostochno-Sibirskiy geologicheskii institut (for Tkachuk, Pinneker, Yasnitskaya, Krutikova, Lysak). 3. Institut geografii Sibirskogo ot-deleniya Akademii nauk SSSR (for Shotskiy). 4. Chitinskoye geologicheskoye upravleniye (for Orlova). 5. Sosnovskaya ekspeditsiya Ministerstva geologii i okhrany neдр SSSR (for Stepanov). 6. Irkutskiy gosudarstvennyy universitet (for Vlasov, Prokop'yev, Chernyshev, Pavlova). 7. Leningradskiy gornyy institut (Tolstikhin). 8. Gosudarstvennyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii (for Ivanov, Yarotskiy, Karaseva, Arutyunyan, Romanova). 9. Irkutskoye geologicheskoye upravleniye (for Trofimuk). 10. Baykal'skaya limnologicheskaya stantsiya Vostochno-Sibirskogo filiala AN SSSR (for Ladeyshchikov). 11. Otdel ekonomiki i geografii Vostochno-Sibirskogo filiala AN SSSR (for Kruchinina).

(Siberia, Eastern--Mineral waters)

VLASOV, N.A.; CHERNYSHEV, L.A.; PAVLOVA, L.I.

Salt lakes of Eastern Siberia and possibilities for their
industrial utilization. Trudy BKNII no.4:51-65 '60. (MIRA 15:3)
(Siberia, Eastern--Lakes) (Saline waters)

DUMPE, E.P.

Obstruction of the superior vena cava as a complication of Paget-Schroetter syndrome. Khirurgiia no.1:123-125 '63. (MIRA 17:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. -- akademik A.N. Bakulev) lechebnogo fakul'teta IV Moskovskogo gosudarstvennogo meditsinskogo instituta imeni Pirogova i 1-y Moskovskoy gorodskoy klinicheskoy bol'nitsy imeni Pirogova (glavnyy vrach-zasluzhennyy vrach RSFSR L.D. Chernyshev).

PUTINA, T.T.

Late secondary surgery following cholecystectomy. Khirurgiia
40.no.3:42-49 Mr '64. (MIRA 17:9)

1. Fakul'tetskaya khirurgicheskaya klinika imeni Spasokukotskogo
(dir.- akademik A.N. Bakulev) II Moskovskogo gosudarstvennogo
meditsinskogo instituta imeni Pirogova i khirurgicheskoye otdeleniye
1-y Gorodskoy klinicheskoy bol'nitsy imeni Pirogova (glavnyy vrach
L.D. Chernyshev), Moskva.

TSIRESHKIN, D.M.

Diagnostic significance of puncture of the left auricle in
acquired mitral heart defects. Grud.khir. no.3:28-36 '61.

(MIRA 14:9)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni Spasokukotskogo
(dir. - akad. A.N. Bakulev) i 1-y Gorodskoy klinicheskoy bol'nitsy
(glavnyy vrach - zasluzhennyy vrach RSFSR L.D. Chernyshev), Moskva.
(MITRAL VALVE--DISEASES) (PUNCTURES (MEDICINE))

CHERNYSHEV, L.D.

KOGAN, R.P.; ZAK, I.R.

Two cases of complications related to the transfusion of Rh-incompatible blood. Sov.med. 25 no.4:137-141 Ap '61. (MIRA 14:6)

1. Iz akushersko-ginekologicheskoy kliniki (zav. - zasluzhennyy deyatel' nauki BSSR prof. L.S.Persianinov) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni Pirogova i patologo-anatomicheskogo otdeleniya (nauchnyy rukovoditel' - prof. Ya.L. Rapoport) Gorodskoy klinicheskoy bol'nitsy No.1 imeni Pirogoa (glavnyy vrach - zasluzhennyy vrach RSFSR L.D.Chernyshev).
(RH FACTOR) (BLOOD TRANSFUSION)

Chernyshev, L.D.

ZHMUR, V.A. (Moskva, Kutuzovskiy prospekt, d.12, kv. 52); ANOKHIN, L.A.

Physiological basis of thymectomy for the treatment of myasthenia.
Grud. khir. 2 no.6:104-110 N-D '60. (MIRA 14:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki imeni S.I.Spasokukot-
skogo (dir. - akademik A.N. Bakulev) i Moskovskogo meditsinskogo
instituta imeni N.I.Pirogova i khirurgicheskogo otdeleniya imeni
N.I.Pirogova 1-y Gradskoy bol'nitsy (dir. - zasluzhennyy vrach
RSFSR L.D.Chernyshev).

(THYMUS GLAND-SURGERY)

(MYASTHENIA GRAVIS)

ARKHANGEL'SKAYA, N.V., (Moskva, Krasnokazarmennaya ul., d.3, kv.276)

Characteristics of cardiac circulation in the case of dextrad division of the bulb cordis (Fallot's tetralogy) and certain other congenital heart diseases. Grud.khir.1.no.2:31-38, Mr-Apr '59 (MIRA 16:7)

1. Iz I Gorodskoy klinicheskoy bol'nitsy imeni N.I.Pirogova (glavnyy vrach - ~~S~~asluzhennyy vrach RSFSR L.D.Chernyshev) i Instituta grudnoy khirurgii (dir.-prof. A.A.Busalov) AMN SSSR.
(HEART—BLOOD SUPPLY) (TETRALOGY OF FALLOT)

Chernyshev, L. D.

L. D. Chernyshev is Chief Physician of the First Moscow City
Clinical Hospital named N. I. Pirogov. (Urologiya, 1958, No 2, p.56.)

JPRS 1298-N, 25 Feb 59, Uncl.

Chernyshov, L.D.

KOGAN, R.P.

Changes in the ocular fundus in hypertension. Sov.med. 22 no.4:82-86
Ap '58 (MIRA 11:7)

1. Iz Moskovskoy gorodskoy klinicheskoy bol'nitsy No.1 imeni
N.I. Pirogova (glavnyy vrach - saslyshennyy vrach RSFSR L.D. Chernyshov,
nauchnyy rukovoditel' - prof. Ya.L. Rapoport).

(HYPERTENSION, manifest
ocular fundus (Rus))

(EYE, pathol.
fundus in hypertension (Rus))

Chernyshev L.D.

LEVANT, D.Ye., dotsent

Late results of the surgical treatment of ectopy of the urinary bladder. Urologia 22 no.6:67-68 N-D '57. (MIRA 11:2)

1. Iz urologicheskogo otdeleniya (nauchnyy rukovoditel' - prof. A.Ya.Pytel'; zav. - dotsent D.Ye.Levant) Gorodskoy klinicheskoy bol'nitsy No.1 imeni N.I.Pirogova (glavnyy vrach - zasluzhennyy vrach RSFSR L.D.Chernyshev)

(BLADDER, abnorm.
ectopy, surg., remote results)

CHERNYSHEV, L.D.

NEMIROVSKIY, Ya.A., kandidat meditsinskikh nauk; CHERNYSHEV, L.D., *Hereditary Physicist*
vrach, glavnyy vrach

Head Physician
Clinical aspects and diagnosis of hemorrhagic pulmonary infarct. Sov.med.
17 no.6:29-31 Je '53. (MLRA 6:6)

1. Vtoroye terapevticheskoye otdeleniye 1-oy Moskovskoy gorodskoy klinicheskoy bol'nitsy imeni N.I.Pirogova. (Lungs--Infraction)

*2nd therapeutic section, 1st Moscow City Clinical
Hospital in N I Pirogov*

RABINOVICH, N.M.; RUDOY, M.S.; CHERNYSHEV, L.D. (Moskva)

Experience with the organization of out-of-town hospitals for
aftercare. Sov. zdrav. 19 no.9:15-18 '60. (MIRA 13:11)
(MOSCOW--HOSPITALS, CONVALESCENT)

CHERNYSHEV, L.I.

On the route of the Shaim-Tyumen' Petroleum Pipeline. Stroi. truboprov.
no.9:6 S '64. (MIRA 17:10)

ACC NR: AP6032537

SOURCE CODE: UR/0413/66/000/017/0145/0145

INVENTOR: Tkachev, F. C.; Skulanov, B. S.; Shchuplyakov, Yu. N.; Chernyshev, L. N.

ORG: none

TITLE: Parachute. Class 62, No. 185708

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 145

TOPIC TAGS: parachute, airdrop equipment, aircraft escape equipment

ABSTRACT: An Author Certificate has been issued for a parachute which has better aerodynamic characteristics and greater safety due to the fact that it combines such well-known features as the x-shaped canopy, a conical spring mechanism the built into the polar section of the canopy, and a central shroud line passing through the spring mechanism. Orig. art. has: 1 figure.

SUB CODE: 01/

SUBM DATE: 23Feb65/

Card 1/1

UDC: 629.13.01/06

CHERNYSHEV, Leonid Sergeyevich; SAVCHENKO, Ye.V., tekhn.red.

[Measurements by means of electricity] Elektrichestvo izmeriaet.
Moskva, Izd-vo "Znanie," 1960. 31 p. (MIRA 13:11)
(Physical measurements)

CHERNYSHEV, L.V.

Thermodynamic solution of some problems of the genesis of the
North Akatuy complex metal deposit. Geol. rud. mestorozh. 6
no.6:15-27 N-D '64. (MIRA 18:4)

1. Institut geokhimii Sibirskogo otdeleniya AN SSSR, Irkutsk.

CHERNYSHEV, M.

A good start. Mast. ugl. 7 no.8:7 Ag '58.

(MIRA 11:9)

1. Predsedatel' Sakhalinskogo obkoma profsoyuza rabochikh ugl'noy
promyshlennosti.

(Sakhalin--Coal mines and mining)

CHERNYSHEV, M., polkovnik

Radio control of targets. Voen.vest. 40 no.4:107-109 Ap '61.
(MIRA 14:7)

(Targets (Military science))

CHUKHNO, D.F., CHERNYSHEV, M.A.

Fruit Culture—Ukraine

Planting fruit trees along roads in the Ukraine. Les. i step' 4, no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, NOVEMBER 1952 ~~1953~~, Uncl.

KUPCHINOV, Ivan Iosifovich, dotsent; LEBEDEV, Sergey Malakhovich;
PROTSKO, Dmitriy Vasil'yevich, starshiy prepodavatel';
PETRUKOVICH, Aleksey Alekseyevich, zasluzhennyy deyatel' nauki
i tekhniki UzSSR; ZUBRITSKIY, I.V., prof., retsenzent; CHERNYSHEV,
M.A., retsenzent; BIRYUKOV, N.N., dotsent, retsenzent; SOLOMONOV,
A.A., dotsent, retsenzent

[Geodesy; textbook for students at higher railroad transportation
schools] Geodeziia; uchebnoe posobie dlia studentov vuzov
zheleznodorozhnogo transporta. Pod obshchei red. A.A.Petrukovicha.
Moskva, Vses.zaochnyi in-t inzhenerov zhel.-dor.transp., 1959.
365 p. (MIRA 14:1)

1. Zaveduyushchiy kafedroy geodezii Belorusskogo instituta inzhenerov zheleznodorozhnogo transporta (for Lebedev).
2. Zaveduyushchiy kafedroy "Put' i putevoye khozyaystvo" Belorusskogo instituta inzhenerov zheleznodorozhnogo transporta (for Petrukovich).
3. Zaveduyushchiy kafedroy "Put' i putevoye khozyaystvo" Vsesoyuznogo zaochnogo instituta inzhenerov zheleznodorozhnogo transporta (for Chernyshev).

(Surveying)

CHERNYSHEV, M. A.

CHERNYSHEV, M. A.

Chernyshev, M. A. defended his Doctor's dissertation in the All-Union Research Institute of Railway Transport, USSR, on 24 December 1943, for the academic degree of Doctor of Technical Sciences.

Dissertation: "Recovery of Energy at Rectifier Substations Without Using Special Power Transformers". Resume: Chernyshev solved problems dealing with the use of normal rectifier transformers for setting up inverter systems at traction substations. He worked out inverter systems on the basis of research which contributed to the theory of gas-filled rectifiers. Correspondence of all the new theoretical conclusions with actual conditions was established by experimental checking on high power equipment.

Official Opponents: Profs. V. Ye. Rozenfel'd, V. V. Yasinskiy, and I. L. Kaganov (Doctors of Technical Sciences).

SO: Elektrichestvo, No. 7, Moscow, August 1953, pp 37-92 (W/29844, 16 Apr 54)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308620020-0

Специальный, П. А.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308620020-0"

CHERNYSHEV, M. A.

"The Two-Cathode System of Energy Recovery", reported in the article "First All-Union Scientific and Technical Session on Mercury-Arc Rectifiers," Elektrichestvo, No. 11, 1949.

Candidate of Technical Sciences, of NIIZhT (Scientific Research Institute of Railway Transport)

Abstract W-9395, 10 Apr 1950

CHERNYSHEV, M. A. , ed.

Epp
.R91564

Peredovaya tekhnologiya putevykh rabot. Advanced technology of road work.
Moskva, Transzheldorizdat, 1951.
106 P. illus., diagrs., tables.

CHERNYSHEV, M. A.

Dr. Tech. Sci.

"Review of IL L. Kaganov's Work 'Electronic and Ionic Converters Part I.
Electronic Engineering', " Elektrichestvo, No.4, pp. 95-6, 1951

Sci. Res. Inst. Railway Transport

W-22629, 9 May 52 - summary

CHERNYSHEV, M.A., kand.tekhn.nauk; SHAKHUNYANTS, G.M., prof., doktor
tekhn.nauk; KOVALEVSKIY, D.V., inzh.; POTOTSKIY, G.I., inzh.;
PROKOP'YEV, P.F., inzh.; GOLOVANOV, A.L., red.; KANDYKIN, A.Ye.,
tekhn.red.

[Progressive technology of railroad track work] Peredovaya
tekhnologiya putevykh rabot. Moskva, Gos.transp.zhel-dor.izd-vo,
1951. 106 p. (MIRA 12:3)

1. Glavnyy inzhener Glavnogo upravleniya putevogo khozyaystva
Ministerstva putey soobshcheniya (for Chernyshev).
(Railroads--Track)

CHERNYSHEV, M.A., doktor tekhn. nauk.

Improving the operation of smoothing units at traction substations.
Trudy TSNII MPS no.42:97-110 '51. (MIRA 11:6)

(Electric railroads—Substations)

(Electric filters)

CHERNYSHEV, M. A.

"The Improvement of Filters Used in Traction Substations," The Works of the Scientific-Research Institute of Railroad Transportation (Trudy vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta), No 42, Transzhel-dorizdat, 132 pp, 1951.

W-22517, 29 Apr 52

... No. 4.

New technology in railroad transportation; public lecture. Moskva, Znanie, 1954. 30 p.
(Seria 4, no. 12)

1. Railroads - Russia.

Subject : USSR/Electricity
Card 1/1 Pub. 27 - 25/25
Author : Chernyshev, M. A., Doc. of Tech. Sci.
Title : Book Review; B. M. Shlyaposhnikov. *Rukovodstvo k laboratorii elektronnykh i ionnykh ustroystv.* (Laboratory Manual of Electron and Ionic Installations). Gosenergoizdat, 1954.
Periodical : Elektrichestvo, 9, 86-87, S 1955
Abstract : This is the first practical laboratory manual in this field in the Russian language. The reviewer gives a very favorable appraisal of the book, which consists of three parts: 1) Electron Apparatus, 2) Ionic Apparatus, 3) Applications of Electron and Ionic Apparatus.
Institution : Central Scientific Research Institute of the Ministry of Electric Power Stations.
Submitted : No date

AID P - 3270

CHERNYSHEV, M.A., kandidat tekhnicheskikh nauk.

Improving track management and the problems of raising train
movement speeds. Zhel.dor.transp. 37 no.2:17-23 P '56.

(Railroads--Traffic)

(MLRA 9:5)

DOBROSEL'SKIY, Konstantin Mikhaylovich, kandidat tekhnicheskikh nauk;
NIKOLAYEV, Ivan Ivanovich, doktor tekhnicheskikh nauk; ~~CHERNYSHEV,~~
~~Mikhail Andreyevich,~~ kandidat tekhnicheskikh nauk; ~~SHILOVSKIY,~~
Viktor Anatol'yevich, kandidat tekhnicheskikh nauk; NIKOLAYEV, I.I.,
professor, redaktor; PRYSAKHZON, B.E., kandidat tekhnicheskikh nauk,
redaktor; VERINA, G.P., tekhnicheskiiy redaktor

[A general railroad course] Obshchii kurs zheleznykh dorog. Pod
obshchei red. I.I.Nikolaeva. Moskva, Gos. transp.shel-dor. izd-vo,
1956. 382 p.
(MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolaev, I.I., redaktor)
(Railroads--Management)

CHERNYSHEV, M.A., kandidat tekhnicheskikh nauk.

Switch boxes under high-speed train movement on an inclined track.
Sbor. trud. Akad. shel. trandp. no. 4:42-66 '56. (MLBA 10:2)
(Railroads--Switches)

CHERNYSHEV, M.A., kandidat tekhnicheskikh nauk.

In defense of compression spring spikes. Put' 1 put. khoz. no.1:25
Ja '57. (Railroads--Rails) (MLRA 10:4)

~~CHERNYSHEV, Mikhail Andreyevich~~, kandidat tekhnicheskikh nauk; SERGEYEVA,
A.I., inzhener, redaktor; SOROKIN, N.N., inzhener, redaktor;
BOBROVA, Ye.N., tekhnicheskii redaktor

[Laying, maintaining and repairing tracks] Ustroistvo, sodержanie
i remont puti. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 451 p.
(Railroads--Track) (MIRA 10:9)

CHEKUNYAN, M.A.

YERSHKOV, O.P., kandidat tekhnicheskikh nauk.; NAUMOV, A.N., inzhener.;
~~CHEKUNYAN, M.A.~~ kandidat tekhnicheskikh nauk.; SHAKHUNYANTS, G.M.,
doktor tekhnicheskikh nauk.

More initiative and inventiveness. Put' i put. khoz. no.1:29-31 Ja
'57. (Railroad engineering) (MLRA 10:4)

CHERNYSHEV, M.A., kandidat tekhnicheskikh nauk

An important resource in improving the conditions of train
movement. Put' i put. khoz. no.5:3-5 My '57. (MLRA 10:6)
(Railroads--Rails)

CHERNYSHEV, M.A., kandidat tekhnicheskikh nauk.

Sphere of application for type R65 rails and heavier. Trudy MTEI
no.5:5-52 '57.

(Railroads--Rails)

(MIRA 10:10)

CHERNYSHEV, M.A., doktor tekhnicheskikh nauk; SOKOLOV, S.D., kandidat tekhnicheskikh nauk.

Converter units for traction substations. Elek.i tepl.tiaga
no.9:4-7 S '57. (MIRA 10:10)
(Electric railroads--Substations)

CHERNYSHEV, M.A., kand.tekhn.nauk.

On the speeds of movement through switching points. Zhel.dor.
transp. 39 no.9:60-64 S '57. (MIRA 10:10)
(Railroads--Switching)

Chernyshev, M.A.

CHERNYSHEV, M.A., kand.tekhn.nauk.

Technical progress in the railroad track industry in the past
40 years. Zhel.dor.transp. 39 no.11:58-64 N '57. (MIRA 10:10)
(Railroads—Track)

CHERNYSHEV, M.A., kand. tekhn. nauk.

How to measure the distance between shelterbelts and railroad tracks
protected by them. Put' 1 put. khoz. no. 2:44 P '58. (MIRA 11:3)
(Railroads) (Windbreaks, shelterbelts, etc.)

CHERNYSHEV, M.A., kand.tekhn.nauk

Improving rail management. Zhel. dor. transp. 40 no.6:67-73

Je '58.

(Railroads--Rails)

(MIRA 11:6)

CHERNYSHEV, M.A., kand.tekhn.nauk

Popular production journal on the right path. Zhel. for. transp. 40
no.8:95-96 Ag '58. (MIRA 11:9)
(Railroads--Periodicals)

CHERNYSHEV, M.A., dotsent, kand.tekhn.nauk; SPERANSKAYA, M.M., red.;
KLEYMAN, L.G., tekhn.red.

[Prospects for the expansion of track management during the 1959-1965 period in accordance with the decisions of the 21st Congress of the CPSU; for students and teachers of the All-Union Correspondence Institute of Railroad Engineers] Perspektivy razvitiia putevogo khoziaistva na 1959-1965 gody po resheniam **XXI** s"ezda KPSS dlia studentov i prepodavatelei VZLIIta, rabota-iushchikh v oblasti putevogo khoziaistva. Moskva, Vses.zaochnyi in-t inzhenerov zhel-dor.transp., 1959. 36 p. (MIRA 13:5)
(Railroads--Track)